

Appendix B

Interview topics and guide for the qualitative study analysis

Interview topic	Questions	Objectives of the questions	Response analysis
<p>Personal background for the public clients and consulting firms</p>	<ol style="list-style-type: none"> 1- Name (optional): 2- Work organisation: () Public client () Private consulting firm 3- Position: 4- Years of experience: () 0-5 years () 6-10 years () 11-15 years () 16-20 years () more than 20 years 	<p>To recognize the respondent background, organization, and years of experience to take these details into consideration in the qualitative analysis</p>	<p>The analysis will be based on the respondent organization as the study deals with public clients and consulting firms to differentiate the analysis between them</p>
<p>Current practice of variation orders management in the Saudi public construction projects at the design stage</p>	<ol style="list-style-type: none"> 5. How do variation orders negatively affect the progress of the design stage regardless if the variation order is beneficial or detrimental? 6. How do you manage variation orders in the design stage? 7. What are the problems associated with managing variation orders? 	<p>To better understand the current practice of variation orders management in Saudi Arabia and to evaluate the criteria of variation orders management. To examine the problems with managing variation orders currently.</p>	<p>In this section the responses will be qualitatively analyzed by comparing the current practice of variation orders management that given by interviewees to identify the most common technique that is used to manage variation orders</p>
<p>Existing models/ Frameworks to manage variation orders in the Saudi construction projects</p>	<ol style="list-style-type: none"> 8. Do you use a model/framework to manage variation orders in the design stage? (If yes, go to Q10) 9. What are the reasons behind not using a model/framework to 	<p>To identify the existing model/ frameworks to manage variation orders and to determine the problems with applying these techniques. Also to investigate the</p>	<p>In this section the responses will be qualitatively analyzed. Each response will be carefully analyzed and evaluated to see the interviewees' experience and opinions on</p>

	<p>manage variation orders? (Go to Q13)</p> <p>10. What is the model/framework do you use?</p> <p>11. Have you faced any problems with this model/framework? (If no, go to Q13)</p> <p>12. What are these problems?</p> <p>13. From your experience is it necessary to have a model/framework to manage variation orders?</p> <p>14. If yes or no, what are the reasons?</p>	<p>importance of adopting and developing a model/framework. To allow interviewees to come up with new themes to support the development of the management of variation orders. To understand the challenges of applying a variation order management system.</p>	<p>developing and adopting a certain criteria to manage variation orders</p>
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